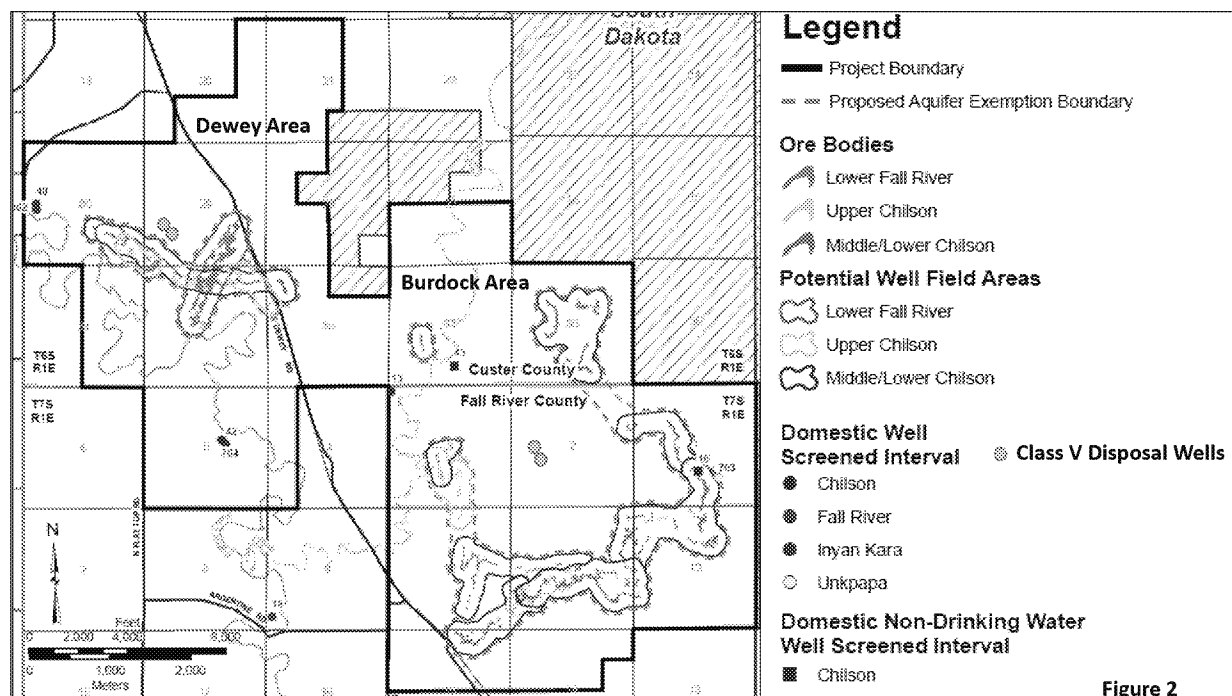


Dewey Burdock Project Site Location Map
Pine Ridge Reservation shown in tan.
National Forest Land shown in green.



AE Vertical Extent

Ore deposits occur within all the sandstone units shown:

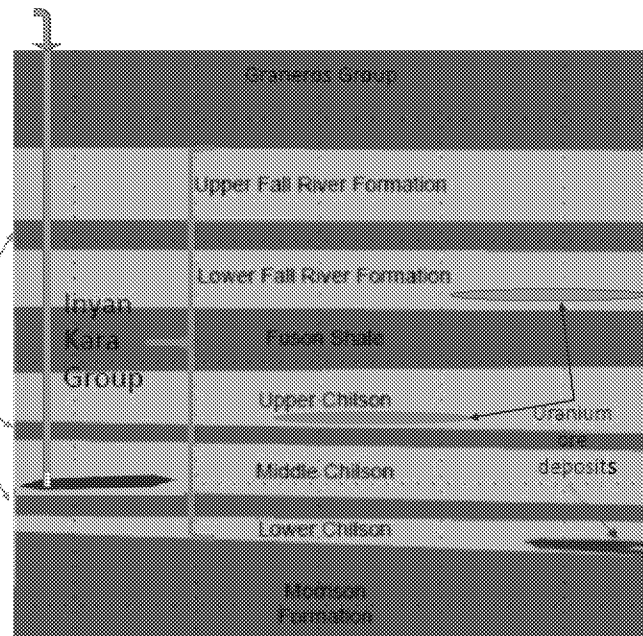
- the Fall River Formation (blue in Figure 2),
- Upper Chilson (green in Figure 2)
- Middle And Lower Chilson (red in Figure 2)

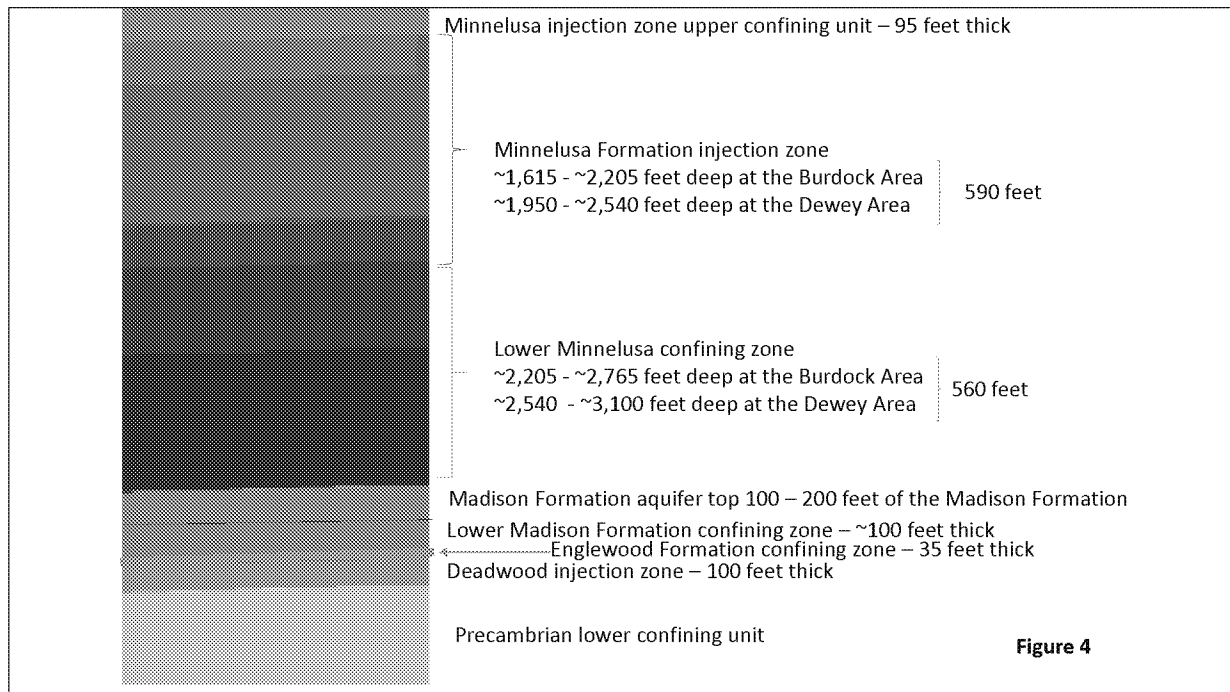
Graneros Group and Morrison Formation are the major confining zones for the Inyan Kara Aquifer. The Fuson Shale is the confining zone separating the Fall River and Chilson.

These are local discontinuous shale units that will serve as confining zones for individual wellfields.

Injection wells will not be screened across the entire Inyan Kara Aquifer, but only across the ore deposit.

Figure 3





Class V injection zones and confining zones

Although the immediately overlying confining zone for the Minnelusa is about 95' thick, it is overlain by an additional 600' of aquitards with very low permeability.